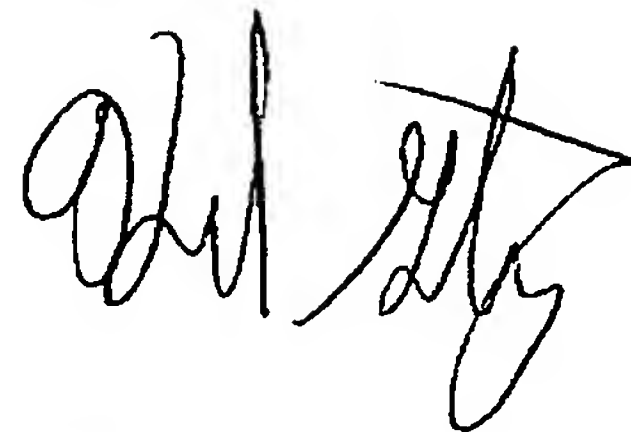BEST AVAILABLE COPY

What is claimed is:

1. (Currently Amended) A text-entry system based on trigger
sequences comprising 1) a plurality of keys, 2) a plurality of
printable symbols, 3) said plurality of printable symbols
comprising a plurality of pre-conversion symbols and 3) a
plurality of post-conversion symbols and optionally a plurality
of non-conversion symbols, each of said post-conversion symbols
set in a correspondence to a sequence of said pre-conversion
symbols, 4) a plurality of symbol-input-end symbols, 5) a display
to display printable symbols, 6) a first mechanism to display
said pre-conversion symbols in response to keystrokes, and 7) a
second mechanism to recognize trigger sequences and thereby
trigger conversion of a plurality of said pre-conversion symbols
displayed on said display by said first mechanism to a plurality
of said post-conversion symbols, a plurality of said trigger
sequences contained in a continuation class of trigger sequences
elements of said continuation class of trigger sequences
characterized in that they comprise a subsequence of said
keystrokes said subsequence comprising at least two of said
keystrokes such that the a first of said keystrokes in said
subsequence causes said first mechanism to display one of said
pre-conversion symbols, and subsequent keystrokes in said
subsequence characterized in that each of said subsequent
keystrokes one subset of said keystrokes in said subsequence
generates one of said symbol-input-end symbols, where said
generated symbol-input-end symbol applies to an immediately
previously displayed printable symbol last displayed pre-
conversion symbol to cause input of said immediately previously
displayed printable symbol and where each of said subsequent

BEST AVAILABLE COPY

~~second~~ keystrokes ~~does not~~ additionally <u>causes display of</u> ~~any of~~ ~~said~~ <u>a further printable</u> ~~pre-conversion~~ symbol ~~which follow~~ ~~each the pre-conversion symbol,</u> <u>said further printable symbol being either a pre-conversion symbol or a non-conversion symbol, where a last of said subsequent keystrokes completes said trigger sequence, and thereby triggers conversion.</u>

~~in any sequence of said pre-conversion symbols which correspond to one of said pre-conversion symbols, whereby upon recognition of the of said trigger sequences conversion of a plurality of said displayed pre-conversion symbols to a plurality of said post-conversion symbols is affected whsuch the read from a keystroke of a contextual conversion key.~~

2.   (<u>Withdrawn-Currently Amended</u>) The text-entry system of claim 1 further characterized in that 1) said pre-conversion symbols ~~are~~ comprise~~d of~~ tone marks and symbols selected from the set of Latin and Bopomofo symbols, 2) said post-conversion symbols ~~are~~ comprise~~d of~~ Hanzi, and 3) <u>a plurality of elements of said continuation class of trigger sequences are characterized in that</u> said first keystroke of said subsequence causes said first mechanism to display one of said tone marks and <u>one of said subsequent keystrokes</u> ~~said second keystroke~~ of said subsequence generates one of said symbol-input-end symbols, said generated symbol-input-end symbol applying to said displayed tone mark <u>causing it to be input</u>.

3.   (<u>Currently Amended</u>) The text-entry system of claim 1 ~~further~~ ~~comprising a plurality of non-conversion symbols, and~~ further characterized in that 1) said pre-conversion symbols ~~are~~ comprise~~d of~~ cHiragana, 2) said post-conversion symbols ~~are~~ comprise~~d of~~ Kanji, 3)

BEST AVAILABLE COPY

said non-conversion symbols ~~are~~ comprise ~~of~~ Hiragana, ~~it said that~~

~~and it is ineffective to display a set of symbols comprising said non-~~

~~conversion symbols said sets conversion symbols, and said non-~~

~~conversion symbols,~~ and 4) said trigger sequences ~~are~~ comprise ~~of~~ two

classes, a non-continuation class, elements of said non-continuation

class ~~where elements of the first of said classes are~~ characterized in

that they comprise a ~~said~~ first keystroke ~~of said subsequence~~ which

causes said first mechanism to display a non-continuation ~~one of~~ said

cHiragana, and a second keystroke ~~said second keystroke of said~~

~~subsequence~~ which generates one of said symbol-input-end symbols, said

symbol-input-end-symbol generated by said second keystroke ~~of said~~

~~subsequence~~ applying to said displayed non-continuation cHiragana

causing it to be input, where said second keystroke ~~of said~~

~~subsequence~~ is ~~one assigned to~~ one of said keys to which none of said

cHiragana have been assigned, and elements of ~~the second of~~ said

continuation ~~class~~ classes are further characterized in that said first

keystroke of said subsequence causes said first mechanism to display

~~one of~~ a continuation said cHiragana, and a first subsequent ~~said~~

~~second~~ keystroke of said subsequence generates one of said symbol-

input-end symbols, said symbol-input-end-symbol generated by said first

subsequent ~~second~~ keystroke of said subsequence applying to said

displayed continuation said cHiragana causing it to be input, where

said first subsequent ~~second~~ keystroke of said subsequence also causes

one of said non-conversion symbols to be displayed by said first

mechanism and a second ~~of said~~ subsequent keystroke of said subsequence

which generates one of said symbol-input-end symbols which applies to

said displayed non-conversion symbol causing it to be input.

BEST AVAILABLE COPY

4.   (Withdrawn-Currently Amended) The text-entry system of claim 1 ~~further comprising a plurality of non-conversion symbols, and~~ further characterized in that 1) said pre-conversion symbols ~~are~~ comprise~~d of~~ cLatin symbols, 2) said post-conversion symbols ~~are~~ comprise~~d~~ of Kanji, 3) said non-conversion symbols ~~are~~ comprise~~d of~~ Latin symbols and Hiragana ~~4) said first mechanism is effective to display a set of symbols comprising said pre-conversion symbols, said post-conversion symbols, and said non-conversion symbols,~~ and 4̲) said trigger sequences ~~are~~ comprise~~d of~~ two classes, a̲ ̲n̲o̲n̲-̲c̲o̲n̲t̲i̲n̲u̲a̲t̲i̲o̲n̲ ̲c̲l̲a̲s̲s̲,̲ e̲l̲e̲m̲e̲n̲t̲s̲ ̲o̲f̲ ̲s̲a̲i̲d̲ ̲n̲o̲n̲-̲c̲o̲n̲t̲i̲n̲u̲a̲t̲i̲o̲n̲ ̲c̲l̲a̲s̲s̲ ~~where elements of the first of said classes are~~ characterized in that t̲h̲e̲y̲ ̲c̲o̲n̲t̲a̲i̲n̲ ~~said~~ a̲ ̲f̲i̲r̲s̲t̲ keystroke w̲h̲i̲c̲h̲ ~~of said subsequence~~ causes said first mechanism to display a̲ ̲n̲o̲n̲-̲c̲o̲n̲t̲i̲n̲u̲a̲t̲i̲o̲n̲ ~~one of~~ said cLatin symbols, and a̲ ~~said~~ second keystroke ~~of said subsequence~~ w̲h̲i̲c̲h̲ generates one of said symbol-input-end symbols, said symbol-input-end-symbol generated by said second keystroke ~~of said subsequence~~ applying to said displayed n̲o̲n̲-̲c̲o̲n̲t̲i̲n̲u̲a̲t̲i̲o̲n̲ cLatin symbol c̲a̲u̲s̲i̲n̲g̲ ̲i̲t̲ ̲t̲o̲ ̲b̲e̲ ̲i̲n̲p̲u̲t̲, where said second keystroke ~~of said subsequence~~ is o̲n̲ ~~assigned to~~ one of said keys to which none of said cLatin symbols have been assigned, and elements of ~~the second of~~ said c̲o̲n̲t̲i̲n̲u̲a̲t̲i̲o̲n̲ class ~~are~~ are f̲u̲r̲t̲h̲e̲r̲ characterized in that said first keystroke of said subsequence causes said first mechanism to display ~~one of~~ a̲ ̲c̲o̲n̲t̲i̲n̲u̲a̲t̲i̲o̲n̲ said cLatin symbol~~s~~, and a̲ f̲i̲r̲s̲t̲ ̲s̲u̲b̲s̲e̲q̲u̲e̲n̲t̲ ~~said second~~ keystroke of said subsequence generates one of said symbol-input-end symbols, said symbol-input-end-symbol generated by said f̲i̲r̲s̲t̲ ̲s̲u̲b̲s̲e̲q̲u̲e̲n̲t̲ ~~second~~ keystroke of said subsequence applying to said displayed c̲o̲n̲t̲i̲n̲u̲a̲t̲i̲o̲n̲ ~~said~~ cLatin symbol c̲a̲u̲s̲i̲n̲g̲ ̲i̲t̲ t̲o̲ ̲b̲e̲ ̲i̲n̲p̲u̲t̲~~s~~, where said ~~second~~ f̲i̲r̲s̲t̲ ̲s̲u̲b̲s̲e̲q̲u̲e̲n̲t̲ keystroke of said subsequence also causes one of said non-conversion symbols to be displayed by said first mechanism and ~~a third~~ a̲ ̲s̲e̲c̲o̲n̲d̲ ̲s̲u̲b̲s̲e̲q̲u̲e̲n̲t̲

BEST AVAILABLE COPY

keystroke of said subsequence which generates one of said symbol-input-end symbols which applies to said displayed non-conversion symbol causing it to be input.

5.   (Withdrawn-Currently Amended) The text-entry system of claim 1 ~~further characterized in the plurality of non-conversion symbols and~~ further characterized in that 1) said pre-conversion symbols ~~are~~ comprise~~d of~~ Latin symbols, 2) said post-conversion symbols ~~are~~ comprise~~d of~~ Kanji, 3) said non-conversion symbols ~~are~~ comprise~~d of~~ Hiragana ~~4) said first mechanism so effective to display a set of symbols comprising said pre-conversion symbols said post-conversion symbols and said non-conversion symbols;~~ and 4~~5~~) said trigger sequences ~~are~~ comprise~~d of~~ two classes, a non-continuation class, elements of said non-continuation class ~~where the members of the class of said classes are~~ characterized as containing ~~in that~~ a ~~said~~ first keystroke ~~of said subsequence~~ which causes said first mechanism to display ~~one of~~ a non-continuation said Latin symbols, and a ~~said~~ second keystroke which ~~of said subsequence~~ generates one of said symbol-input-end symbols, said symbol-input-end-symbol generated by said second keystroke ~~of said subsequence~~ applying to said displayed non-continuation Latin symbol causing it to be input, where said second keystroke ~~of said subsequence~~ is on ~~assigned are~~ one of said keys to which none of said Latin symbols have been assigned, and elements of ~~the second of~~ said continuation class~~es~~ are further characterized in that said first keystroke of said subsequence causes said first mechanism to display ~~one of~~ a continuation said Latin symbol~~s~~, and a first subsequent ~~said second~~ keystroke of said subsequence generates one of said symbol-input-end symbols, said symbol-input-end-symbol generated by said ~~second~~ first subsequent keystroke of said subsequence applying to said displayed continuation

BEST AVAILABLE COPY

said Latin symbol _causing it to be input_ where said _first subsequent_ ~~second~~ keystroke of said subsequence also causes one of said non-conversion symbols to be displayed by said first mechanism and _a second subsequent_ ~~a third~~ keystroke _of said subsequence_ which generates one of said symbol-input-end symbols which applies to said displayed non-conversion symbol causing it to be input.

6.   (Withdrawn-Currently Amended) The text-entry system of claim 1 ~~further comprising a plurality of non-conversion symbols, and~~ further characterized in that 1) said pre-conversion symbols ~~are~~ comprise~~d of~~ cJamo, 2) said post-conversion symbols ~~are comprised of~~ Hanja, 3) said non-conversion symbols ~~are~~ comprise~~d of~~ _Jamo, ~~4) said first mechanism is effective to display a set of symbols comprising said pre-conversion symbols, said post-conversion symbols, and said non-conversion symbols,~~_ and _4_) said trigger sequences ~~are~~ comprise~~d of~~ _two classes, a non-continuation class,_ ~~where~~ elements of ~~one class of~~ said _non-continuation class~~es~~ are_ characterized in that _they contain a_ ~~said~~ first keystroke _which_ causes said first mechanism to display _a non-continuation_ ~~one of~~ said cJamo, and _a_ ~~said~~ second keystroke _which_ generates one of said symbol-input-end symbols, said symbol-input-end-symbol generated by said second keystroke applying to said displayed non-continuation cJamo _causing it to be input_, where said second keystroke is on a key to which none of said cJamo have been assigned, and elements of ~~the~~ _said continuation_ ~~second of said~~ class~~es~~ are _further_ characterized in that said first keystroke _of said subsequence_ causes said first mechanism to display _a continuation_ ~~one of~~ said cJamo, and _a first subsequent keystroke of said subsequence_ ~~and second keystroke~~ generates one of said symbol-input-end symbols said symbol-input-end-symbol generated by said _first subsequent keystroke of said_

BEST AVAILABLE COPY

subsequence ~~second keystroke~~ applying to said displayed continuation cJamo causing it to be input, where said first subsequent keystroke of said subsequence ~~second keystroke~~ also causes one of said non-conversion symbols to be displayed and a second subsequent keystroke of said subsequence ~~a third keystroke~~ which generates one of said symbol-input-end symbols, said symbol-input-end symbol generated by said second subsequent keystroke ~~which~~ applying ~~it~~ to said displayed non-conversion symbol causing it to be input.

7. (Previously Presented) The text-entry system of claim 1 further comprising a third mechanism to convert said pre-conversion symbols to said post-conversion symbols.

8. (Previously Presented) The text-entry system of claim 7 further characterized in that said third mechanism is physically remote from said first mechanism.

9. (Currently Amended) The text-entry system of claim 7 further characterized in that said third mechanism performs said ~~selection~~ conversion based on ~~the~~ a context comprising ~~of~~ other input symbols ~~previously input~~.

10. (Currently Amended) The text-entry system of claim 1 further comprising a predictive text mechanism operating to select said pre-conversion symbols for display based on a ~~the~~ context comprising ~~of~~ other input symbols. ~~previously input~~

BEST AVAILABLE COPY

11.   (Currently Amended) The text-entry system of claim 1 further comprising at least one Next key for ~~advancing the display key~~ incrementing ~~display key of~~ symbols in an ordered list containing more than one element.

12.   (Withdrawn-Currently Amended) The text-entry system of claim 1 further comprising a multi-tap mechanism for ~~advancing the display of~~ incrementing symbols in an ordered list containing more than one element.

13.   (Withdrawn) The text-entry system of claim 2 further characterized in that each time one of said tone marks is displayed, it is only displayed after a plurality of said Latin symbols have been displayed but not input.

14.   (Currently Amended) The text-entry system of claim 1 ~~further comprising a plurality of non-conversion symbols~~ further comprising a Next key applying to said plurality of pre-conversion symbols, and a Next key applying to said plurality of non-conversion symbols.

15.   (Previously Presented) The text-entry system of claim 3 further characterized in that a plurality of symbols comprising said pre-conversion symbols and said non-conversion symbols are assigned to said keys in a substantially Iroha ordering.

16.   (Currently Amended) A method for constructing trigger sequences for a text-entry system comprising the steps of 1) selecting a set of printable symbols comprising pre-conversion, ~~and~~ post-conversion symbols and optionally non-conversion symbols, 2) selecting a text-

BEST AVAILABLE COPY

entry mechanism which enters text in response to keystrokes, 3)

determininge atne set of keystroke sequences which corresponds to

anne set of possible texts to be entered using said text-entry

system, 4) for each pre-conversion symbol generated by each of said

keystroke sequences in said set of keystroke sequences, finding a

subsequence of said keystrokes such that said subsequence comprises

at least two of said keystrokes such that a first of said keystrokes

in said subsequence causes display of said each pre-conversion

symbol, and subsequent keystrokes in said subsequence characterized

in that each of said subsequent keystrokes generates a symbol-input-

end symbol, where said generated symbol-input-end symbol applies to

an immediately previously displayed printable symbol to cause input

of said immediately previously displayed printable symbol and where

each of said subsequent keystrokes additionally causes display of a

further printable symbol said further printable symbol being either

a pre-conversion symbol or a non-conversion symbol, where a last of

said subsequent keystrokes completes said trigger sequence, and

thereby triggers conversion,

~~a) one of said keystrokes in said subsequence displays one of said
pre-conversion symbol and b) another of said keystrokes in said
subsequence c) generates c symbol input and symbol which applies to
said non-pre-conversion symbol, and d) does not additionally
display any of said pre-conversion symbols which follow said one
pre-conversion symbol in any sequence of said pre-conversion symbols
which corresponds to one of said post-conversion symbols,~~ and 5)

returning to said step of selecting said set of said printable pre-

~~conversion and said post-conversion~~ symbols if ~~in the event that~~

said step of finding said subsequence fails to produce satisfactory

subsequences.

BEST AVAILABLE COPY

17. (Currently Amended) The text-entry ~~mechanism~~ system ~of claim

1 further comprising

~~an assignment of Hiragana to said plurality of keys in a

substantially Iroha ordering.

18. (Currently Amended) The text-entry system of claim 1 further

comprising a word-based predictive mechanism. ~~characterized in that

said-pre-conversion symbols are comprised of words~~

19. (Previously Presented) The text-entry system of claim 18 further

comprising a word-completion mechanism.

20. (Withdrawn-Currently Amended) The text-entry system of claim 2

further characterized in that said tone mark appears in ~~at the end of~~

said order after any of said Latin symbols in said order.